

526,531

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
18 March 2004 (18.03.2004)

PCT

(10) International Publication Number  
**WO 2004/022982 A2**

(51) International Patent Classification<sup>7</sup>:

F15B

(84) Designated States (*regional*): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

(21) International Application Number:

PCT/BR2003/000098

Declarations under Rule 4.17:

(22) International Filing Date: 16 July 2003 (16.07.2003)

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AU, CN, CZ, HU, ID, IN, JP, KP, KR, MX, PL, SG, TR, ZA, European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR)*

(25) Filing Language:

English

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designation US*

(26) Publication Language:

English

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations AU, CN, CZ, HU, ID, IN, JP, KP, KR, MX, PL, SG, TR, ZA, European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR)*

(30) Priority Data:

PI 0203620-7 3 September 2002 (03.09.2002) BR

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designation US*

(71) Applicant (*for all designated States except US*): KLU-

BER LUBRICATION LUBRIFICANTES ESPECIAIS LTDA & CIA. [—/BR]; Rua São Paulo, 345, 06465-902 Barueri, SP (BR).

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designation US*

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): OFFERMANN, Bal-  
dur, Achim [DE/DE]; Vennstrasse 6-52159, Röeigen (DE).

— *of inventorship (Rule 4.17(iv)) for US only*

(74) Agent: MOREIRA, Águinaldo; R' Beja Cintra, 299 - 3rd Floor, 01415-900 São Paulo, SP (BR).

Published:

(81) Designated States (*national*): AU, CN, CZ, HU, ID, IN, JP, KP, KR, MX, PL, SG, TR, US, ZA.

— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/022982 A2

(54) Title: HEAT TRANSMITTING FLUID AND ITS RESPECTIVE OBTAINING PROCESS

(57) Abstract: "Heat transmitting fluid and its obtaining process", has as aim a practical, innovating and functional heat transmitting fluid, applicable virtually to any equipment heat by indirect method, especially conceived for thermal oil systems applied in the food, pharmaceutical, cosmetic and chemical industries, equipment which needs heating without the use of flame or electrical resistance, in small or big size industry to which original innovating functional disposition has been given, being different from other types of heat transmitting fluids usually found in the market, since it is composed of antioxidant based on derived phenyl and fluid based on linear paraffin, being satisfactorily applied as heat transmitting fluid in application temperatures between 10 and 275 °C, being that its specific application is of heat transmitting fluid based on hydrocarbon of extreme purity for thermal oil systems in the food, pharmaceutical, cosmetic and chemical industry.